

## LOG OF MEETING

### DIRECTORATE FOR ENGINEERING SCIENCES

**SUBJECT:** ASTM F15.58 WK70724 Commercial Electric-Powered Scooters for Adults Task Group Meeting

**DATE OF MEETINGS:** August 15, 2022

**LOCATION:** Teleconference

**LOG ENTRY SOURCE:** Lawrence Mella

**COMMISSION ATTENDEE(S):** Lawrence Mella, Einstein Miller, Caroleene Paul

**NON-COMMISSION ATTENDEES:** Contact ASTM for the attendee list

#### SUMMARY OF MEETING:

**Background:** ASTM WK70724 is a draft new voluntary standard for adult commercial electric-powered scooters (e-scooters). ASTM formed the draft voluntary standard in January 2020, and CPSC staff are active participants in this task group. The sub task group divided into smaller working groups to develop the requirements of specific sections.

**Summary:** The new task group chair was introduced. The task group continued working on the draft document that incorporated the requirements proposed by the sub task groups and discussed the following:

#### *Static/Dynamic Test Requirements*

The group discussed dynamic testing that would simulate the scooter going over a jump. Task group members discussed testing by raising the front wheel and dropping the scooter with the manufacturer's maximum recommended weight.

#### *Handlebar Testing*

The task group members discussed adding a handlebar punchout test. CPSC staff agreed with the addition and will provide test procedures and requirements based on revisions made to ASTM bicycle standards. The task group discussed handle stem fatigue testing and increasing the cyclic testing from 5000 to 100k cycles.

#### *Latching Mechanism*

The group decided to remove the latching mechanism requirements taken from the children's electric scooter standard because the ride-sharing e-scooter industry does not use foldable e-scooters. Group members explained that should ride-share e-scooters start using folding mechanisms, the latching mechanism requirements will be revisited.

**Next Steps:** The task group plans to send out a draft for comments. CPSC staff will help develop the handlebar punchout test method and requirements. Staff will continue participating in sub and main task group meetings scheduled for early November 2022.